Appl. No. 10/634,639
Amdt. Date: March 21, 2005
Reply to Office Action of September 21, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (currently amended) A tendon system for anchoring a floating platform to the seabed, comprising:

a) a tendon array anchoring said platform to the seabed, said tendon array including one or more steel tendons and one or more synthetic tendons; and

b) damping means mounted on said platform for inhibiting platform resonance motions.

2. (original) The tendon system of claim 1 wherein said synthetic tendons are coaxially located within said steel tendons.

3. (original) The tendon system of claim 1 wherein said synthetic tendons are carbon fiber composite tendons.

4. (original) The tendon system of claim 2 wherein said floating platform is a single anchor leg mooring buoy anchored to the seabed by a single composite steel and carbon fiber composite tendon.

5. (cancelled)

6. (currently amended) The tendon system of claim [[5]] 1 wherein said damping ~~force~~ means ~~is active~~ comprises a spring and dashpot secured to said platform and wherein said spring and dashpot are connected to one end of a tendon or cable having the other end thereof anchored to the seabed.

7. (currently amended) The tendon system of claim [[5]] 1 wherein said damping ~~force~~ means is passive.

8. (currently amended) The tendon system of claim 1 ~~including~~ wherein said damping means comprises passive tuned oscillator means for inhibiting platform resonance motions.

9. (currently amended) The tendon system of claim 1 ~~includes~~ wherein said damping means comprises active driven mass oscillator means for inhibiting platform resonance motions.